

April 2010

HF Happenings 399

What is YOUR Radio Club doing for World Amateur Radio Day on Sunday 18 April and for Marconi Day on Saturday 24 April?



The World of Ham Radio, 1901-1950 A Social History

This book by Richard A. Bartlett, published in 2007, covers the first 50 years of the development of Amateur Radio. The Amazon description reads, "During the first fifty years of the twentieth century, amateur radio went from being an experiment to virtually an art form. Because of the few government restrictions and the low monetary investment required, the concept of amateur radio appealed to various people.

More than just a simple hobby, however, amateur radio required its operators to understand radio theory, be able to trace a schematic and know how to build a transmitter and receiver with whatever material they might have available.

With the advent of World War II and the increased need for cutting-edge communications, the United States government drew upon the considerable knowledge and skill of these amateur radio operators, validating the fact that ham radio was here to stay."

This book explores the history of amateur radio operators, emphasizing their social history and their many contributions to the technological development of worldwide communications. It traces the concept of relays, including the American Radio Relay League, from contacts as close as 25 miles apart to operators anywhere in the world.

The book highlights the part played by amateur radio in many of the headlined events of the half century, especially exploration and aviation "firsts." The ways in which these primarily amateur operators assisted in times of disaster including such events as the sinking of the Titanic and the 1937 Ohio River flood, are also examined. The book is available on Amazon[dot]com

Regional Conference on Amateur Radio 2010

The Regional Conference on Amateur Radio will be held from 4 to 6 April in Doha, State of Qatar and will be the biggest Regional Symposium on Amateur Radio in the Middle East in 2010.

The Conference is organised by the Qatar Amateur Radio Society (QARS) jointly with the International Amateur Radio Union (IARU).

So far, the kind invitation from the QARS Chairman H.E. Abdullah bin Hamad Al-Attiyah, A71AU, has been accepted by a number of IARU societies in the Middle East as well as one from Region 3 together with Telecom Regulators and Administrations from the GCC area.

Participation is also expected from ITU officials as well as local Qatar officials.

The program consist of presentations on Regulatory issues, preparation for WRC-12, Amateur Radio Emergency and Disaster Communication, national



regulations of Amateur Radio in the GCC States combined with panel discussions and workshops with the aim to assist in building and maintaining good working relationship between the National Regulators and Amateur Radio Societies.

Visit the Qatar Amateur Radio Society (QARS) web-site at www.qsl.net/a71a

ZS QSOs needed

Michael Marlow, G3IAF, is working on his RSGB Commonwealth Award and needs 19 South African and 5 African QSOs to have Africa in the bag. One of the ZS contacts he needs is Marion Island, and I am sure that later in 2010, he will work Pierre, ZS1HF/ZS8M.

Mike says he has no ZS5s in his log, nothing. So all the guys and girls in Kwazulu Natal, contact Mike and set up a sked or three. Other call areas are also welcome to contact Mike and arrange a sked.

Contact Mike at [g3iaf\[at\]homecall\[dot\]co\[dot\]uk](mailto:g3iaf@homecall.co.uk)

Changes to the ARRL 10 Metre Contest

Welcome to the ARRL 10 Metre Contest, amigos and amigas! Effective with the 2010 event, the multiplier list has been expanded to include all of the Mexican states, replacing the single multiplier for the DXCC entity of XE. The island of Revillagigedo (XF4) will remain a multiplier based on its status as a separate DXCC entity. This is a net increase of 31 multipliers. A list of names and abbreviations for each state is posted on the ARRL Contest Branch log. This change does NOT apply to any other ARRL contest, only the 10 Metre Contest. One can only wonder if there will be QRP entries from the state of Quintana Roo (QRO)?

Women on the Air

"WOTA" stands for Women on the Air. Anneke, PB7XYL, is a member of the WOTA Club and will activate the special call PB88XYL from 3 to 30 April. QSL via the bureau or direct. For more information on WOTA, visit their web site at [wotaclub2010\[dot\]blogspot\[dot\]com](http://wotaclub2010.blogspot.com)

Airfields on the Air

The Royal Air Force Amateur Radio Society will be activating Airfields on the Air on the weekend 3 and 4 April.

All amateur radio stations are eligible to receive a certificate if they work five AOTA stations or more. It is intended to make this an annual event on the first weekend of April.

Stations will be located at present day or former RAF Airfields or other establishments. If you wish to activate any location or have any queries relating to AOTA please contact Vince, G4DQP, QTHR or look up details on QRZ.com.

April 2010

ZS10WCS operated by the Northern Cape ARC

- 1 SARL 80 Metre QSO Party
- 2 Good Friday; World Autism Day
- 3 Two Oceans Marathon; April RaDAR contest
- 4 Easter Sunday
- 5 Family Day; Closing date SARL VHF/UHF logs
- 7 World Health Day; Closing date SARL Club contest logs
- 10 PIC Course, Durban
- 11 SARL President's Net
- 12 Schools Open
- 16 Closing date SARL 80 Metre QSO logs
- 17 World Haemophilia Day;
- 2010 SA AMSAT Space Symposium
- 17/18 IARU Region 1 EC Meeting, Sofia, Bulgaria
- 18 World Amateur Radio Day; Autumn QRP Sprint
- 19 Closing date RaDAR logs
- 22 Lyrids meteor shower, 21:07 CAT
- 23 Africa Malaria Day
- 23/24 SARL National Convention, Port Elizabeth
- 26 School holiday
- 27 Freedom Day



Any takers from South Africa? The SA Air Force is 90 years old this year. What about activating South African airfields?

DX from Africa

Mauritius Island, 3B8. Mart, DL6UAA, will be active again as 3B8MM from Mauritius Island, AF-049, starting on 4 April for three weeks. He will operate mainly CW on 160 - 10 metres, with some SSB and digital modes. QSL via DL6UAA, direct or bureau.

Reunion Island, FR. Cedric "Ced", F4EGZ, is once again active as FR/F4EGZ from St Pierre until 19 April. Activity will be on 20 - 6 metres, including 17 and 12 m, using a Hexbeam for HF and a 3-element wire beam for 6 m. QSL via his home call sign. Please Note: Ced will accept 6 m skeds via E-mail at f4egz@yahoo.fr

Gabon, TR. Silvano, I2YSB, and a team of Italian operators will activate Gabon during the first half of October. The team also intends to activate an IOTA in the Estuaire Province Group (AF-043) during this DXpedition. In addition, the low bands are expected to be one of their major goals. No other details have been provided other than the pilot station will be IK7JWY. An opened survey on I2YSB's Web page is now available to list your wants for bands and modes at <http://www.i2ysb.com/joomla5> More details should be forthcoming.

Democratic Republic Of Congo, 9Q. Ghis, ON5NT, (ex-9Q1NT), writes that Georges, VE2EK, will show up again as 9Q1EK from Kinshasa soon. He will be the only station with a valid license in the country. To keep updated all the time you should check his website <http://ve2ek.blogspot.com> regularly. His station will be a FT-2000 with an OM2500HF amplifier (max 2 500 watts output) and Georges will use dipoles for 160, 80 and 40 m, a delta loop and a yagi on a 45 m mast mainly on CW. Later during his stay, he also plans to work EME (144 MHz with 4 x 16 elements and on 432 MHz with 4 x 21 elements). QSL direct via SM5DJZ, via LoTW or eQSL.

Chad, TT. After Glorioso and Haiti, Phil, F4EGS will be active once again from Chad for two months starting on 10 April. The call sign is not known at this moment but it will certainly be his old TT8PK call, he has used at least four times in the past. More information to follow. Activity will be during his spare time from 40 to 10 m using SSB, CW and a little RTTY. The rig is a FT-850 into an old R7 (very tired - I will consider any offer for a new second hand vertical, to replace it). Until the departure, ask for skeds possible at cocheese37@msn.com. QSL via F4EGS, direct (QRZ.com) or bureau

Special Event

France. To celebrate "World Amateur Radio Day" on 18 April, some members of the "Radio Club Haut-Rhin" will activate the special call sign TM68X from 5 to 18 April. QSL via F8BUO. More information concerning this activity can be found at <http://www.ref68.com/expo> and if you want to learn more about the "World Amateur Radio Day," you should visit the website <http://www.iaru.org/rel030418.html>

Andorra, C3. Ten C35 stations, C35CA, C35DR, C35HI, C35JM, C35KC, C35LM, C35MO, C35PR, C35SG and C35US, and ten C36 stations, C36AR, C36AT, C36BO, C36CT, C36JI, C36JS, C36MF, C36PP, C36RP and C36VM, will be active on 1 - 30 April to celebrate the 30th anniver-



sary of Andorra's IARU society (Unio de Radioaficionats Andorrans). Information on the relevant award can be found at ura30anys.blogspot.com

Italy. IIOSPQR will be active during the month of April celebrating the 2763rd anniversary of the city of Rome. QSL via IK0QNZ.

Club News

AWA Open Day. The Antique Wireless Association will be holding its annual Open Day at the Rand Airport TAC from 10:00 CAT on Saturday 10 April. An Antique Wireless display, a flea market, cash bar, restaurant and the best seats to watch the aircraft coming and going from the Airport. Bring the family along for an enjoyable outing. To arrange a flea market table, contact Andy, ZS6ADY, at 082 448 4368.

The John Vorster Technological Secondary School Radio Club, ZS6JVT, will have a flea market stating at 08:30 CAT on Saturday 8 May 2010. The Club can be found at 1072 Meyer Street, Rietfontein, Pretoria.

Bar Dxing ?.. CQ7CAR

a CQ, beer and snacks special call sign...

Tired of amateur radio DXpeditions from remote locations, islands on the air, lighthouses and other classics? *Then, this one is for you!*

Be ready for the third radio activity at Cahroi Bar, in Portugal, with the singular special call sign CQ7CAR, on this edition.

The first endeavour took place August 2007 and second at 2008 when a group of friends, committed to ham radio activated this kind of gastro pub in Gouveia, Sintra in Portugal, with the special call sign CT6CAR (2007), CT8CAR (2008) and now CQ7CAR

The CT8CAR Call Sign is no more available from Continental Portugal, because of the new laws of amateur radios communications in Portugal at last year 2009. Such event was so successful that now, the same group, will back on radio from there, among good regional excellent meals and beverage.

The special event station will be on the air from 24 to 29 July 2010. The Cahroi Bar is a familiar establishment, placed on a hot spot for radio communications, serving lunches and dinners at the table, including a good wine and nice fresh local food that can rival a good restaurant.

With some help from radio wave's propagation, this special call sign will be easily reached at every amateur band on several modes.

The beacon will sign it up in the APRS system as well as at Google Earth. Both will give you the geographical coordinates of the location. For more information, search CQ7CAR on [http://www\[dot\]qrz\[dot\]com](http://www[dot]qrz[dot]com)

Best Regards, Hugo Barata, CT2HMX, manager of activity at Cahroi Bar

Contest Calendar

This week's contests compiled by Bruce Horn, WA7BNM. The period covered is 29 March to 4 April 2010.

SARL 80 m Club Championship
17:30 - 18:30 UTC 31 March

Mode: PSK and RTTY



Band: 80 m in the segment 3,580 - 3,620 MHz. Note: the frequency segment 3,580 to 3,585 MHz is reserved for PSK operation - stations operating PSK should transmit only between these limits. Stations operating RTTY should not attempt to make QSOs in this 5 kHz segment.

Classes: Single Operator; Multi-operator

Exchange: RS(T) and a consecutive serial number starting at 001

Power: Low - 100 w maximum power at the transmitter output; QRP - 10 w maximum power at the transmitter output.

QSO points: One point per contact.

Work stations: Once on PSK and Once on RTTY

Submit logs by: 23:59 CAT 7 April 2010

E-mail logs to:

hfcontests[at]netactive[dit]co[dot]za

Mail logs to: none

Find rules at: 2010 SARL Contest Manual

ARLHS Annual Spring Lites QSO Party

00:01 UTC 1 April to 23:59 UTC 11 April

Mode: Any

Bands: 160, 80, 40, 20, 15 and 10 m

Classes: (none)

Exchange: Members: Member no, name and state, province or country; Non-Members: Serial no, name and state, province or country; Lighthouse/Lightship: ARHLS No, name and state, province or country

QSO Points: 1 point per QSO; 2 additional points per QSO with member; 3 additional points per QSO with lighthouse/lightship

Bonus: x2 multiplier for all points if participant activated a lighthouse/lightship

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 30 April 2010

E-mail logs to: (none)

Mail logs to: Dave Ruch, NF0J, PO Box 20696, Bloomington, MN 55420-0696, USA

Find rules at:

<http://arlhs.com/SL-2010-guidelines.html>

SARL 80 m QSO Party

17:00 to 20:00 UTC 1 April

Mode: SSB

Band: 80 m - 3.600 to 3.650 and 3.700 to 3.800 MHz

Classes: Single Operator; Short Wave Listener (SWL)

Exchange: Call sign, RS signal report and operators name

Work stations: Once per band

Scoring: 10 points for every contact with a South African station; 15 points for every contact with a station outside South Africa.

Submit logs by: 16 April 2010

E-mail logs to:

zs5lp[at]vodamail[dit]co[dot]za

Mail logs to: 17 Brownlee Place, Bluff, Durban, 4052

Find rules at: 2010 SARL Contest Manual

NCCC Sprint

02:30 - 03:00 UTC 2 April

Mode: (see rules)

Bands: (see rules)

Classes: (none)

Exchange: (see rules)

Score Calculation: Total score = total QSO points x total mults

Submit logs by: April 4, 2010

E-mail logs to: (none)

Post log summary at:

<http://www.hornucopia.com/3830score/>

Mail logs to: (none)

Find rules at:

<http://www.ncccsprint.com/rules.html>

RaDAR Contest

12:00 - 18:00 UTC 3 April

Mode: All amateur modes

Band: 160, 80, 40, 20, 15, 10, 6, 4, 2 m, 70, 23 cm and higher. Including cross band contacts via amateur satellites. QSOs via terrestrial repeaters will be allowed.

Exchange: Call sign, name, QTH and grid locator.

Classes: (A) Home station; (B) Home station; (C) portable station; (D) RaDAR station; (E)

RaDAR QRP [check multipliers]

Work stations: 1 QSO per mode, per band / satellite, per call sign.



QSO points: 1 point per QSO

Multiplier: (A) x1 for all home stations using normal antennas and mains power; (B) x2 for all home stations not relying on their normal antennas or mains power; (C) x3 for portable operation not relying on mains power. This would include all mobile stations; (D) x4 for true RaDAR portable operations not relying on existing antennas or mains power; (E) x5 for true RaDAR portable operations as above and using QRP. Output power limited to 5 watts PEP.

Bonus points for portable and RaDAR stations: 5 Points (equivalent to 5 QSOs) for a minimum of one satellite or any digital mode involving a computer QSO.

Station setup: The true RaDAR station must have carried; the entire station including antennas for at least 1 km prior to setting up, without relying on existing man made infrastructures i.e. antennas, masts or towers. To be considered as a RaDAR station, the entire station; radios, batteries, mast and antennas must be easily portable and hence the need to carry the equipment for at least 1 km.

For the sake of safety, it will be acceptable to carry / backpack your entire station for a distance of at least 1 km and end up where you started from - your home, campsite, picnic site, motor vehicle or wherever you choose to operate.

Submit logs by: 19 April 2010. A photo of the station (JPG format) MUST accompany every log entry.

E-mail logs to:

zs6lrk[at]nwineternet[dot]za[dot]org

Mail logs to: The Lichtenberg Amateur Radio Club (LARK), PO Box 410, Lichtenburg, 2740

Find rules at: 2010 SARL Contest Manual

LZ Open 40 m Sprint Contest

04:00 - 08:00 UTC 3 April

Mode: CW

Bands: 40 m Only

Classes: Single Op; Multi-Op; QRP

Max power: QRP: 5 W

Exchange: 3-Digit serial no and 3-Digit serial no received from last QSO

Work stations: Once each 30 minutes

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 3 May 2010

E-mail logs to: LZ1GL[at]yahoo[dot]com

Mail logs to: LZ Open 40 m Sprint Contest;

PO Box 830, Sofia 1000, Bulgaria

Find rules at:

<http://www.lzopen.com/lzocc40/indexF.htm>

ARCI Spring QSO Party

12:00 UTC 3 April to 23:59 UTC 4 April

Mode: CW

Bands: 160, 80, 40, 20, 15 and 10 m

Classes: All Band; Single Band; High Bands; Low Bands

Max operating hours: 24

Exchange: RS, state, province or country and ARCI number or power

Work stations: Once per band

QSO Points: 5 points per QSO with ARCI member; 4 points per non-member QSO with different continent; 2 points per non-member QSO with same continent

Multipliers: States, once per band; VE Provinces, once per band; Countries, once per band

Power Mult: >5 W = x1, 1 - 5 W = x7, 250 mW - 1 W = x10, 55 - 250 mW = x15, <55 mW = x20

Score Calculation: Total score = total QSO points x (state mults and province mults and country mults) x power mult

Submit logs by: 4 May 2010

E-mail logs to: va3jff[at]yahoo[dot]ca

Mail logs to: ARCI Spring QSO Party, c/o Jeff Hetherington, VA3JFF, 139 Elizabeth St. W., Welland, Ontario L3C 4M3, Canada

Find rules at:

<http://www.qrparci.org/content/view/8347/118/>

SP DX Contest

15:00 UTC 3 April to 15:00 UTC 4 April

Mode: CW, SSB

Bands: 160, 80, 40, 20, 15 and 10 m



Classes: Single Op All Band Mixed - QRP, Low or High; Single Op Three Band Mixed; Single Op All Band Phone - Low or High; Single Op All Band CW - Low or High; Single Op Single Band Phone; Single Op Single Band CW; Multi-Op All Band Mixed; SWL Mixed
Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: SP: RS(T) and 1-character province; non-SP: RS(T) and serial no

Work stations: Once per band per mode

QSO Points: SP: 3 points per QSO outside of Europe; SP: 1 point per QSO with non-SP Europe; non-SP: 3 points per QSO with SP

Multipliers: SP: Each DXCC country once per band regardless of mode; non-SP: Each SP province once per band regardless of mode

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 30 April 2010

E-mail logs to:

spdxcontest[at]pzkrp[dot]org[dot]pl

Mail logs to: Polski Związek Krotkofalowcow, SPDX Contest Committee, PO Box 320, 00-950 Warszawa, Poland

Find rules at:

http://www.spdxcontest.info/reg/reg_g.htm
|

EA RTTY Contest

16:00 UTC 3 April to 16:00 UTC 4 April

Mode: RTTY

Bands: 80, 40, 20, 15 and 10 m

Classes: Single Op All Band; Single Op Single Band; Multi-Op

Exchange: EA: RST and province; non-EA: RST and Serial No

Work stations: Once per band

QSO Points: 1 point per QSO on 20, 15 or 10 m with same continent; 2 points per QSO on 20, 15 or 10 m with different continent; 3 points per QSO on 40 or 80 m with same continent; 6 points per QSO on 40 or 80 m with different continent

Multipliers: Each DXCC country once per band; Each EA province once per band; Each USA, VE, JA or VK call area once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 24 April 2010

E-mail logs to: [rttycontest\[at\]jure\[dot\]es](mailto:rttycontest@jure.es)

Mail logs to: (none)

Find rules at:

<http://www.ure.es/contest/430-ea-rtty-contest.html>

Missouri QSO Party

18:00 UTC 3 April to 05:00 UTC 4 April and

18:00 - 24:00 UTC 4 April

Mode: CW, Phone

Bands: 160, 80, 40, 20, 15 and 10 m

Classes: Missouri; Missouri Mobile/Rover; Non-Missouri; DX

Exchange: MO: RS(T), serial no and county; non-MO W/VE: RS(T), serial no and state, province or territory; DX: RS(T) and Serial No

Work stations: Once per band per mode

QSO Points: 1 point per phone QSO; 2 points per CW QSO

Bonus: 100 points for at least one QSO with special event station

Multipliers: MO: Each MO county, state, province and territory once; MO: Maximum of one DXCC country once; Non-MO: Each MO county once

Score Calculation: Total score = (total QSO points x total mults) and bonus

Submit logs by: 4 May 2010

E-mail logs to: [moqsoparty\[at\]w0ma\[dot\]org](mailto:moqsoparty@w0ma.org)

Mail logs to: K2DP, S. David Propper, 7488 Cornell Ave., University City, MO 63130, USA

Find rules at:

http://www.w0ma.org/mo_qso_party.htm

RSGB RoPoCo 1

07:00 - 08:30 UTC 4 April

Mode: CW

Bands: 80 m Only

Classes: (none)

Exchange: RST and postcode received

QSO Points: 10 points per QSO with UK station

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 20 April 2010



Upload log at:

<http://www.rsgbcc.org/cgi-bin/hfenter.pl>

Mail logs to: RSGB G3UFY, 77 Bensham
Manor Road, Thornton Heath, Surrey CR7
7AF, England

Find rules at:

[http://www.rsgbcc.org/hf/rules/2010/rropo
co.shtml](http://www.rsgbcc.org/hf/rules/2010/rropo
co.shtml)

Low Power Spring Sprint

14:00 - 20:00 UTC 5 April

Mode: CW

Bands: 160, 80, 40, 20, 15 and 10 m

Classes: Single Op Single Band; Single Op
Two/Three Band; Single Op All Band

Max power: A: 1 watt; C: 5 watts; Q: 25
watts; X: 50 watts; Y: 100 watts

Exchange: RST, 4-character grid square and
power category - A/C/Q/X/Y

QSO Points: 3 points per QSO with same
continent; 9 points per QSO with different
continent; 18 points per QSO with OM sta-
tion

Multipliers: Each grid square once per band;
Each prefix once per band

Score Calculation: Total score = total QSO
points x total mults

Submit logs by: 5 May 2010

E-mail logs to: [om3kfv\[at\]zoznam\[dot\]sk](mailto:om3kfv[at]zoznam[dot]sk)

Mail logs to: Radioklub OM3KfV, PO Box 3,
038 61 Vrutky, Slovakia

Find rules at:

[http://www.hornucopia.com/contestcal/lowpo
werspringsprint2010.pdf](http://www.hornucopia.com/contestcal/lowpo
werspringsprint2010.pdf)

RSGB 80 m Club CW Championship

19:00 - 20:30 UTC 5 Apr

Mode: CW

Bands: 80 m Only

Classes: (none)

Exchange: RST and serial no

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: (see rules)

Submit logs by: 12 April 2010

Upload log at:

<http://www.rsgbcc.org/cgi-bin/hfenter.pl>

Mail logs to: (none)

Find rules at:

[http://www.rsgbcc.org/hf/rules/2010/r80m
cc.shtml](http://www.rsgbcc.org/hf/rules/2010/r80m
cc.shtml)

ARS Spartan Sprint

01:00 - 03:00 UTC 6 Apr

Mode: CW

Bands: 80, 40, 20, 15 and 10 m

Classes: Skinny; Tubby

Max power: 5 watts

Exchange: RST, state, province or country
and power

Work stations: Once per band

Submit logs by: 8 April 2010

E-mail logs to:

[spartansprint\[at\]yahoo\[dot\]com](mailto:spartansprint[at]yahoo[dot]com)

Mail logs to: (none)

Find rules at:

[http://adventure-radio.org
/wiki/index.php?title=Spartan_Sprint_Rules](http://adventure-radio.org
/wiki/index.php?title=Spartan_Sprint_Rules)

Next Week's Contests

ARLHS Annual Spring Lites QSO Party, 00:01 UTC 1 April to 23:59 UTC 11 April

ARS Spartan Sprint, 01:00 - 03:00 UTC 6 April

NCCC Sprint, 02:30 - 03:00 UTC 9 April

Montana QSO Party, 00:00 UTC 10 April to 24:00 UTC 11 April

JIDX CW Contest, 07:00 UTC 10 April to 13:00 UTC 11 April

PODXS 070 Club PSK 31 Flavours Contest, 12:00 - 18:00 local 10 April

Radio Maritime Day, 12:00 UTC 10 April to 12:00 UTC 11 April

EU Spring CW Sprint, 16:00 - 19:59 UTC 10 April

QCWA Spring QSO Party, 18:00 UTC 10 April to 18:00 UTC 11 April

Georgia QSO Party, 18:00 UTC 10 April to 03:59 UTC 11 April and 14:00 - 23:59 UTC 11 April

Yuri Gagarin International DX Contest, 21:00 UTC 10 April to 21:00 UTC 11 April

SKCC Weekend Sprint, 00:00 - 24:00 UTC 11 April



UBA Spring SSB Contest, 06:00 - 10:00 UTC 11 April

International Vintage Contest HF, 08:00 - 12:00 UTC 11 April and 14:00 - 18:00 UTC 11 April

144 MHz Spring Sprint, 19:00 - 23:00 local 12 April

This week in History

The week starting 29 March

1826 Samuel Morey of Oxford, New Hampshire patented the internal combustion engine.

1880 The first electric streetlights installed by a municipality, Wabash, Indiana, USA.

1889 The Eiffel Tower opened for the Paris Exposition.

1910 First military wireless message sent in Australia, Helensburgh, Sydney.

1921 Formation of the Australian Air Force, 'Royal' added 31 Aug 1921.

1995 US Coast Guard last Morse message ending over 100 years use.

Weird and Wonderful

Up to 250 watts harvested from your shock absorbers.

All you mobilers could be generating enormous amounts of energy as you hit those bumps. HI HI.

In a recent study, mechanical engineers from the State University of New York have designed and tested a retrofit regenerative shock absorber that recovers a vehicle's vibrational energy.

The researchers built a 1:2 scale prototype of the regenerative shock absorber, and demonstrated its ability to harvest 2 - 8 watts of power during typical driving conditions at a speed of about 45 mp/h [72 km/h]. They predict that a full-scale system on a four-wheel car should be able to recover up to 256 watts under these driving conditions.

The researchers predict the ability to harvest approximately 64 watts per wheel, for a total of about 250 watts for a 4-wheel car, the value increasing considerably when the system is used on irregular roads.

It was found that the power regenerated is proportional to the square of the magnetic flux across the coils. Consequently, increasing the flux by twos, quadruples the peak power output. <http://iopscience.iop.org/0964-1726/19/4/045003/>
(Sourced from Elektor E-Magazine)

Remember to share your copy of HF Happenings with your radio amateur friends and club members - even those you do not like.

Items used with acknowledgement to The ARRL Letter, Amateur Radio Newslines, OPDX Bulletin, 425 DX Bulletin, DXNL Bulletin, ARRL DX News, WIA-News, the RSGB News, Maurice, F5NQL, Southgate ARC and Pete's DX Newsdesk.

Newsletter editors are most welcome to use material from HF Happenings, just remember to acknowledge the source (which could be any one of the names mentioned above). HF Happenings can be provided in MS Word format.